

Minimum size for the R81(CA) Bike Lane sign



12 x 8 (existing) or 24 x 18 (proposed)

MUTCD

Section 9B.02 Design of Bicycle Signs

Standard:

01 If the sign or plaque **applies to motorists and bicyclists**, then the size shall be as shown for conventional roads in Tables 2B-1, 2C-2, or 2D-1.

02 The minimum sign and plaque sizes for shared-use paths shall be those shown in Table 9B-1, and shall be used only for signs and plaques installed specifically for bicycle traffic applications. The minimum sign and plaque sizes for bicycle facilities shall not be used for signs or plaques that are placed in a location that would have any application to other vehicles.

California Vehicle Code

Motor Vehicles and Motorized Bicycles in Bicycle Lanes

21209. (a) No person shall drive a motor vehicle in a bicycle lane established on a roadway pursuant to Section 21207 except as follows:

- (1) To park where parking is permitted.
- (2) To enter or leave the roadway.
- (3) To prepare for a turn within a distance of 200 feet from the intersection.



R3-17



R81 (CA)

MUTCD

Table 2B-1. Regulatory Sign and Plaque Sizes (Sheet 1 of 2)

| Sign or Plaque | Sign Designation | Section | Conventional Road | | Expressway |
|----------------|------------------|---------|-------------------|------------|------------|
| | | | Single Lane | Multi-Lane | |
| Stop | R1-1 | 2B.05 | 30 x 30* | 36 x 36 | 36 x 36 |

| | | | | | |
|--|-----------------------|-------|----------|----------|---|
| Advance Reversible Lane Control Transition Signing | R3-9g,9h | 2B.26 | 108 x 36 | 108 x 36 | — |
| End Reverse Lane | R3-9i | 2B.26 | — | 48 | — |
| Begin Right (Left) Turn Lane | R3-20 | 2B.26 | — | 36 | — |
| All Turns (U Turn) from Right Lane | R3-23,23a | 2B.27 | 60 x 36 | 60 x 36 | — |
| All Turns (U Turn) with arrow | R3-24,24b, 25,25b,26a | 2B.27 | 72 x 18 | 72 x 18 | — |

No R3-17 in table

| | | | | | |
|--|-----------|-------|---------|---------|---------|
| AUTOS & PICKUPS SNOW TIRES OK - CARRY CHAINS | R79(CA) | 2B.46 | 48 x 30 | 48 x 30 | 48 x 30 |
| 4-W DRIVE WITH SNOW TIRES OK - CARRY CHAINS | R80-1(CA) | 2B.46 | — | — | 48 x 30 |
| Specific Hours/Days plaque | R82A(CA) | 2B.51 | 36 x 12 | 36 x 12 | 36 x 18 |
| 1 CAR (2 CARS) PER GREEN | R89(CA) | 2B.56 | — | — | 22 x 6 |

No R81(CA) in table

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02 The minimum sign and plaque sizes for shared-use paths shall be those shown in Table 9B-1, and shall be used only for signs and plaques installed specifically for bicycle traffic applications. The minimum sign and plaque sizes for bicycle facilities shall not be used for signs or plaques that are placed in a location that would have any application to other vehicles.

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Table 9B-1. Bicycle Facility Sign and Plaque Minimum Sizes (Sheet 2 of 2)

| Sign or Plaque | Sign Designation | Section | Shared-Use Path | Roadway |
|----------------|------------------|---------|-----------------|---------|
| Bike Route | D11-1, D11-1c | 9B.20 | 24 x 18 | 24 x 18 |
| Bike Lane | R3-17 | 9B.04 | — | 24 x 18 |
| Bike Lane | R81(CA) | 9B.04 | --- | 12 x 8 |

MUTCD

Section 2A.11 Dimensions

02a The standard sign dimensions prescribed in this California MUTCD, FHWA's "Standard Highway Signs and Markings" book and Department of transportation's California Sign Specifications shall be used unless engineering judgment determines that other sizes are appropriate.



ALL DIMENSIONS ARE IN INCHES

| R81 SUFFIX | SIZE | BORDER WIDTH | MARGIN WIDTH | LETTER SIZE, SERIES & STROKE WIDTH | | | | | COR RAD. |
|---------------|-------|-----------------|-----------------|------------------------------------|--------|--------|--------|--------|-------------|
| | | | | LINE 1 | LINE 2 | LINE 3 | LINE 4 | LINE 5 | |
| -1 | 12x8 | 3/8 | 1/4 | 1½C-.24 | | | | | 1-1/2 |
| -2 | 24x18 | 5/8 | 3/8 | 3C-.48 | | | | | 1-1/2 |
| | | | | | | | | | |
| | | | | | | | | | |

12x8

| R81 SUFFIX | SIZE | DIMENSIONS | | | | | | | | | | | |
|---------------|-------|------------|----|-----|-------|---|---|---|---|---|---|---|---|
| | | A | B | C | D | E | F | G | H | I | J | K | L |
| -1 | 12x8 | 1 | 6 | 7/8 | 5-5/8 | | | | | | | | |
| -2 | 24x18 | 3 | 12 | 1½ | 13½ | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

24x18

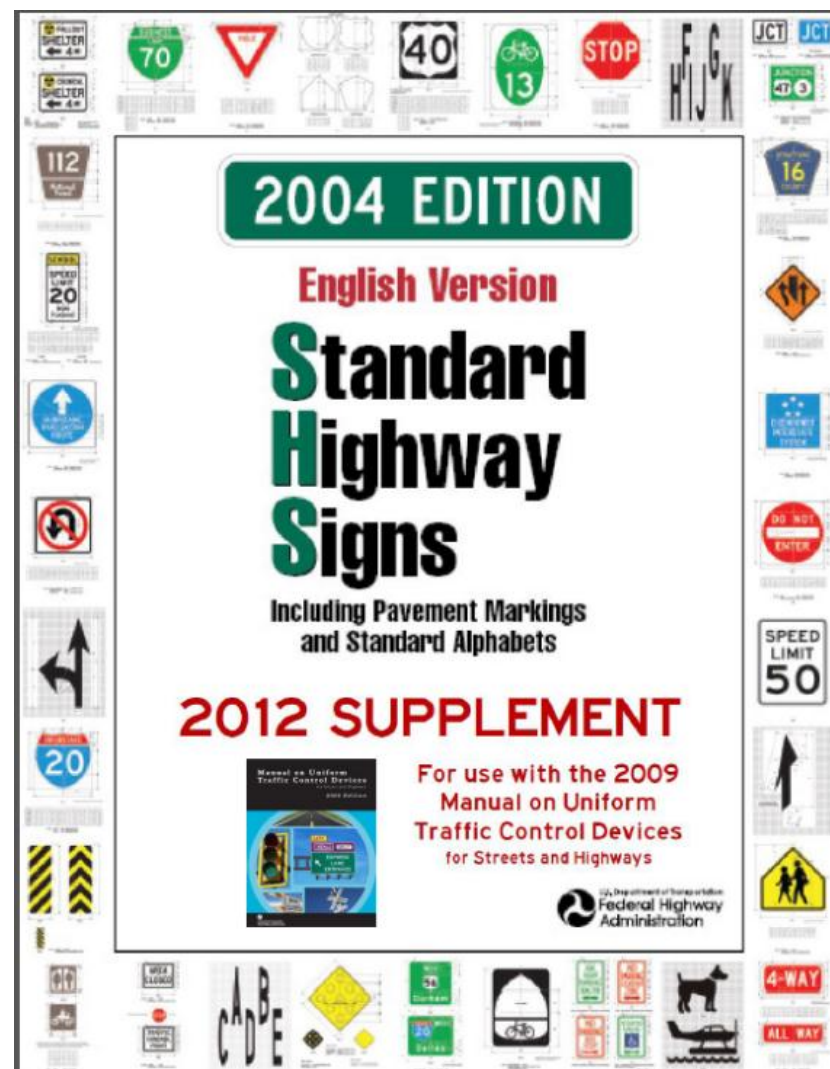
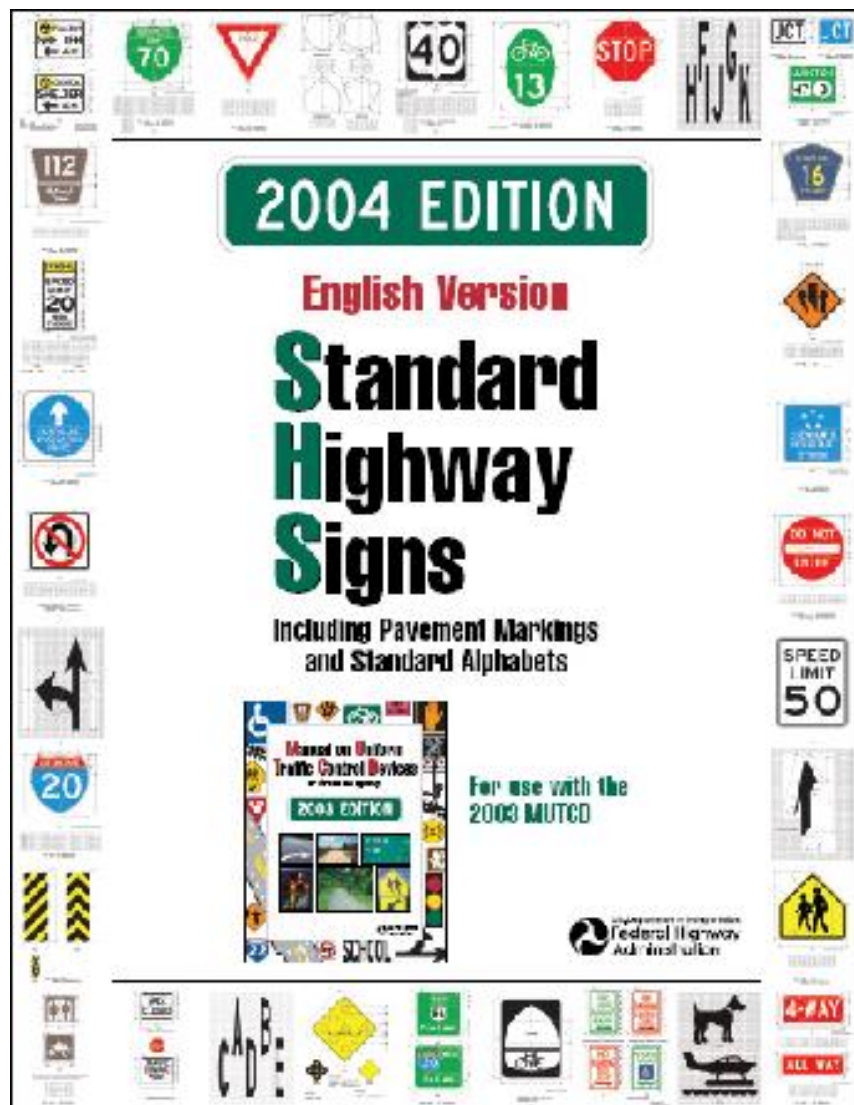
White BACKGROUND WITH Black BORDER & LEGEND REFLECTIVE BACKGROUND

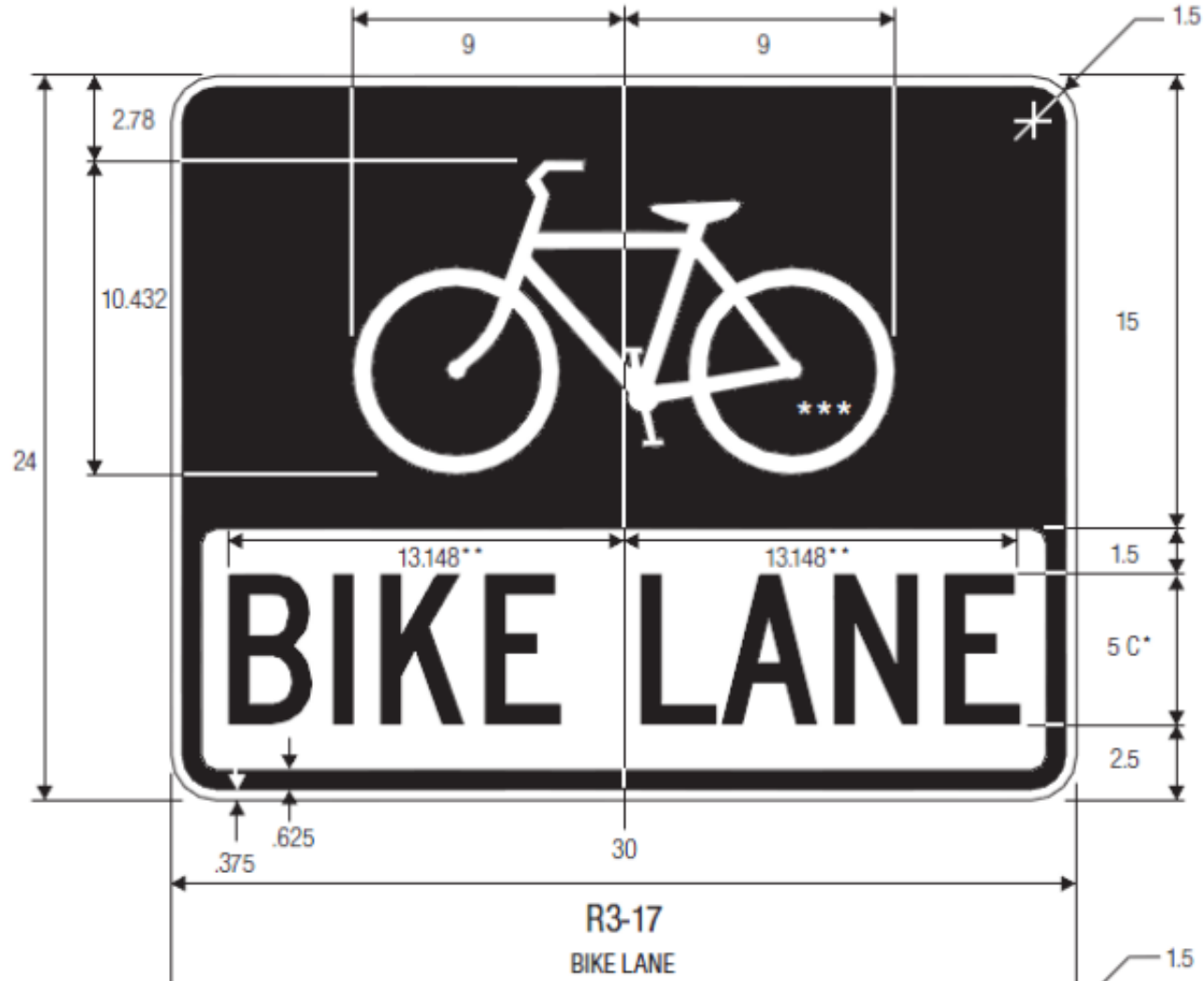
5/8" DIA HOLES •

APPROVED

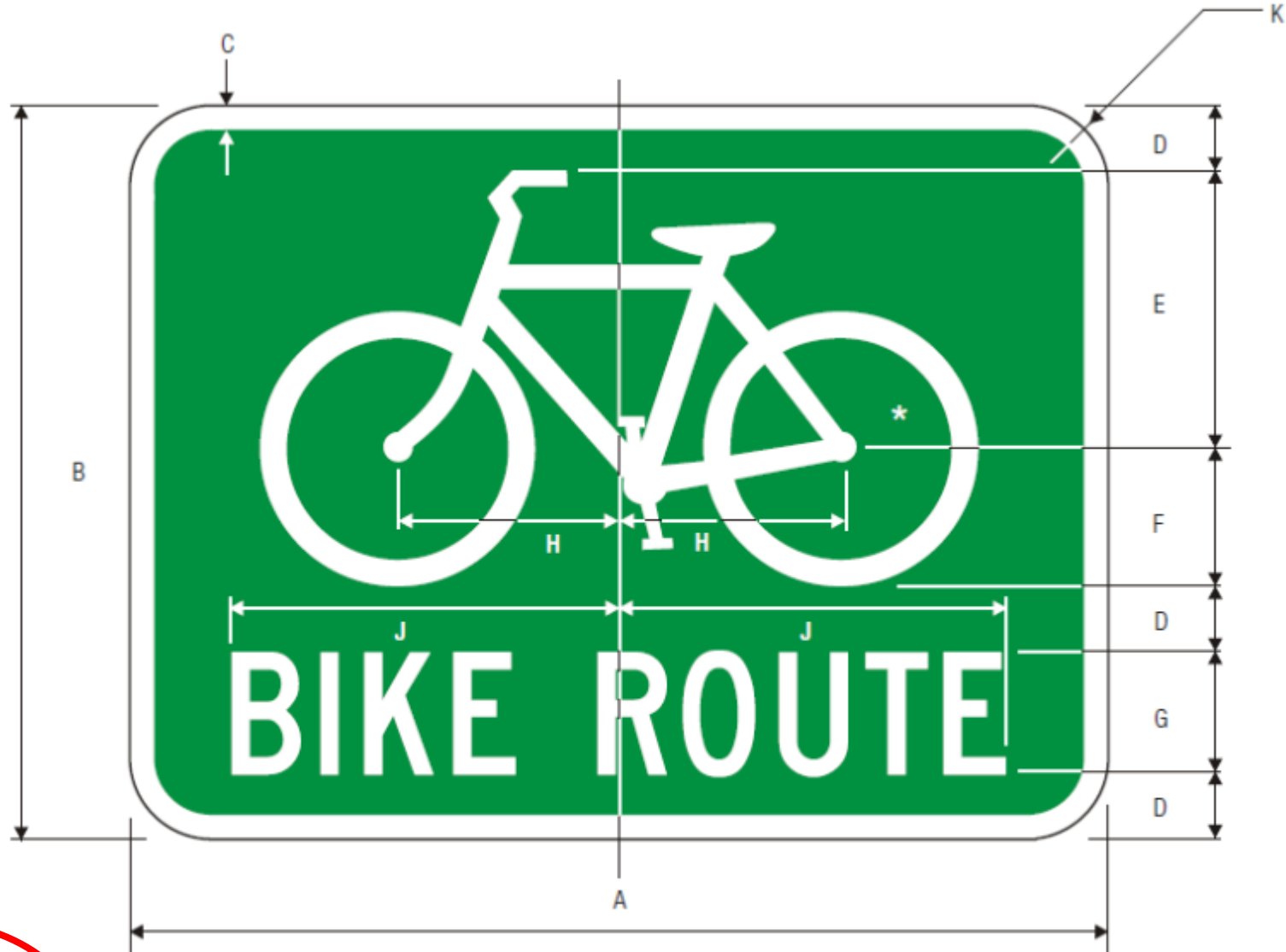
3/11/74

FILE NO.





D-11-1



| A | B | C | D | E | F | G | H | J | K |
|----|----|------|-------|------|-------|-----|-------|------|-----|
| 24 | 18 | .5 | 1.5 | 7 | 3.5 | 3 C | 5.5 | 9.5 | 1.5 |
| 30 | 24 | .625 | 1.875 | 8.75 | 4.375 | 4 C | 6.875 | 12.5 | 1.5 |

In my opinion the minimum bike lane sign should be 24 x 18.



The 12x8 sign is too small to be noticed or read by moving vehicles.



Proposed change to CAMUTD in red.

Table 9B-1(CA). California Bicycle Facility Sign and Plaque Minimum Sizes

| Sign or Plaque | Sign Designation | Section | Shared-Use Path | Roadway |
|--|------------------|------------|-----------------|---------------------------|
| Bicycle Parking | G93C(CA) | 9B.23 | 24 x 18 | 24 x 18 |
| Bike Path Exclusion | R44A(CA) | 9B.08 | --- | 12 x 24 |
| BICYCLES MOTOR-DRIVEN CYCLES MUST EXIT | R44B(CA) | 9B.101(CA) | --- | 30 x 36 |
| BICYCLES MUST EXIT | R44C(CA) | 9B.101(CA) | --- | 30 x 30 |
| Bike Lane | R81(CA) | 9B.04 | --- | 24 x 18 12 x 6 |
| BEGIN | R81A(CA) | 9B.04 | --- | 12 x 5 |
| END | R81B(CA) | 9B.04 | --- | 8 x 5 |
| Bicycle Route Number Marker | SG45(CA) | 9B.21 | 12 x 18 | 12 x 18 |
| Bicycle Route Name Marker | S17(CA) | 9B.21 | 24 x 6 | 24 x 6 |